

7. $2x + 3y = 6$
 $-3x + 2y = 17$

8. $-4x + y = -26$
 $3x - y = 17$

VIII. Radicals

Perform the indicated operations and/or simplify:

For Geometry Students

1. $\sqrt{100}$

2. $\sqrt{\frac{169}{121}}$

3. $\sqrt{75}$

4. $\sqrt{80}$

5. $\sqrt{10} \cdot \sqrt{30}$

6. $2\sqrt{5} \cdot \sqrt{5}$

7. $\sqrt{\frac{3}{7}}$

8. $7\sqrt{30} \cdot 2\sqrt{6}$

9. $\frac{\sqrt{5}}{\sqrt{10}}$

10. $\sqrt{72}$

11. $4\sqrt{3} + 7\sqrt{3} - 2\sqrt{3}$

12. $2\sqrt{11} - 6\sqrt{11} - 3\sqrt{11}$

13. $4\sqrt{6} + \sqrt{7} - 6\sqrt{6} + 4\sqrt{7}$

14. $2\sqrt{3} + \sqrt{12}$

15. $2\sqrt{50} - 3\sqrt{32}$

16. $5\sqrt{10} \cdot 3\sqrt{10}$

17. $8\sqrt{10} \cdot 5\sqrt{2}$